

INSTALLATION MANUAL

MULTI DECK HOT MERCHANDISERS MD 60 - 100 - 120

Versions

Solid back 3 and 5 level
Pass through 3 and 5 level



MD 60 - 3 solid back



MD 100 - 3 pass through

- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended a training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

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GENERAL TECHNICAL DATA

This manual covers the Multi Deck 60-100-120 Hot 3 and 5 level series Merchandiser cabinets. The cabinets come in 3 sizes: 60, 100 and 120 centimeter, and in 2 different heights: 1420 mm for the 3 level version and 1972 mm for the 5 level version.

- Multi Deck 60 - 3 and 5 level - Merchandiser 600 mm wide.
- Multi Deck 100 - 3 and 5 level - Merchandiser 1000 mm wide.
- Multi Deck 120 - 3 and 5 level - Merchandiser 1200 mm wide.

All of the information, illustrations and specifications contained in this manual are based on the latest product information available at the time of printing.

TECHNICAL DATA

Type	MD 60 - 3	MD 60 - 5	MD 100-3	MD 100-5	MD 120-3	MD 120-5
Power (W)	2400	3600	3500	5400	4300	6500
Fuses needed with power connection 230V, 1N ~ 50Hz (1 phase with zero)	1x 16 A	1x 16 A	1x 16 A	–	–	–
Fuses needed with power connection 400V, 3N ~ 50Hz (3 phases with zero)	–	3x 16 A	3x 16 A	3x 16 A	3x 16 A	3x 16 A
Fuses needed with power connection 400V, 3 ~ 50Hz (3 phases without zero)	–	3x 16 A	3x 16 A	3x 16 A	3x 16 A	3x 20 A
Standard plug from factory single pole	Two-pole earthed plug 16 A	–	–	–	–	–
Standard plug from factory 5- pole Acc IEC309 and CEE-form	–	16 A 3P+N+E	16 A 3P+N+E	16 A 3P+N+E	16 A 3P+N+E	16 A 3P+N+E
Net weight (kg)	155	209	200	274	215	300
Gross weight (kg)	182	246	235	322	253	353
Height (mm)	1420	1972	1420	1972	1420	1972
Width (mm)	600	600	1000	1000	1200	1200
Depth (mm)	800	800	800	800	800	800

Tools

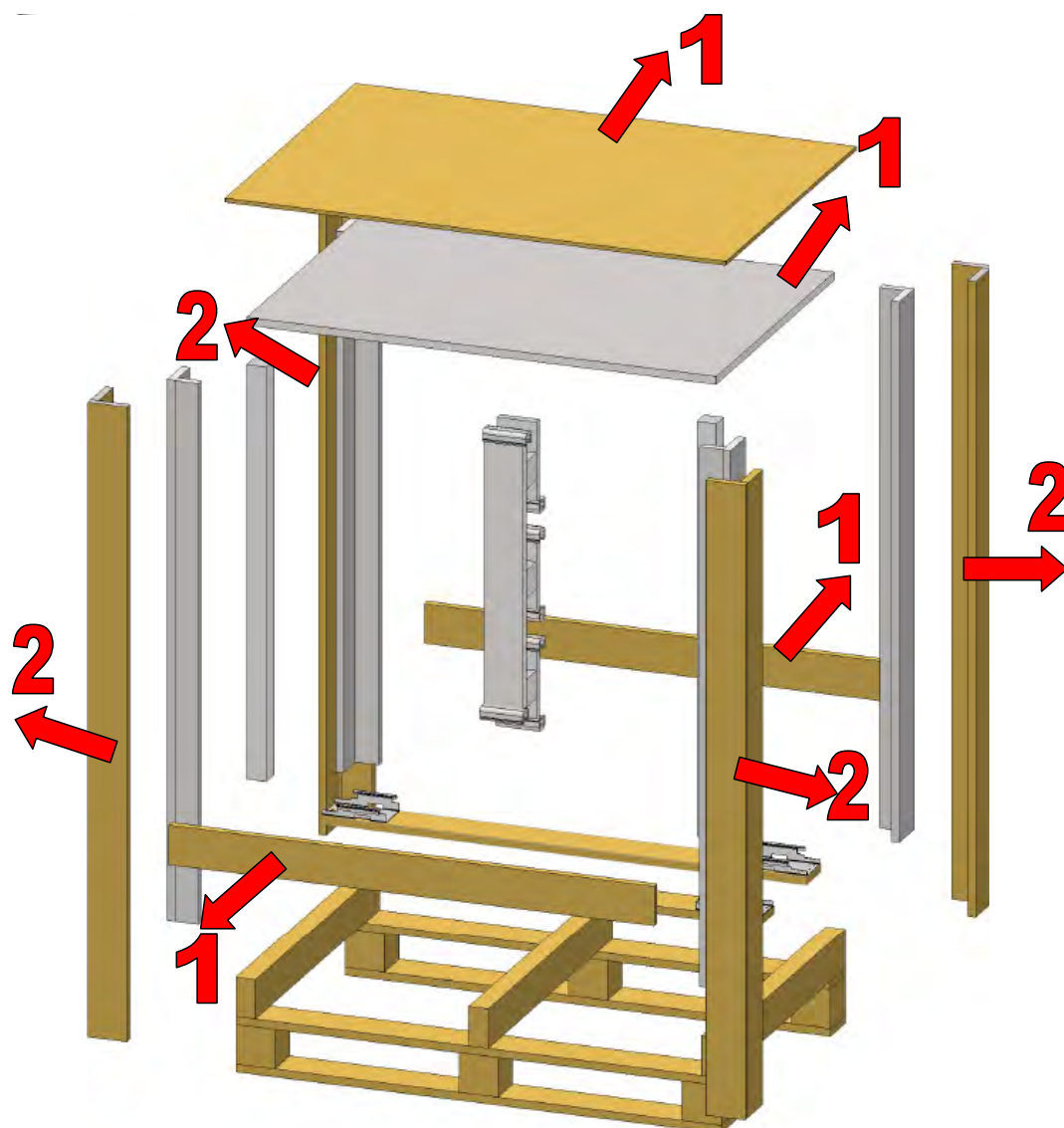
- Standard set of tools.
- Metric wrenches, sockets and hex socket key wrenches.
- Multi-meter and AC current clamp meter.
- Insulation value tester (Megger)
- Temperature tester.

UNPACKING AND MOUNTING OF ACCESSORIES

- Unpacking of the unit.
- Put the unit on his location.
- Unpack and install all separately packed parts.
- Remove all vinyl protection.
- Check if there is enough free space around the unit.
- Check the electrical supply.
- Check all settings and make a test run with all functions switched on.
- Give instructions to the operator.

UNPACKING MD 60 - 100 - 120 AND REMOVING FROM PALLET

- Follow the instructions as given in the next pages.
- Read the instructions before proceeding.
- Perform this action safely with two persons.



Removable parts of packaging



Remove side beams 2x



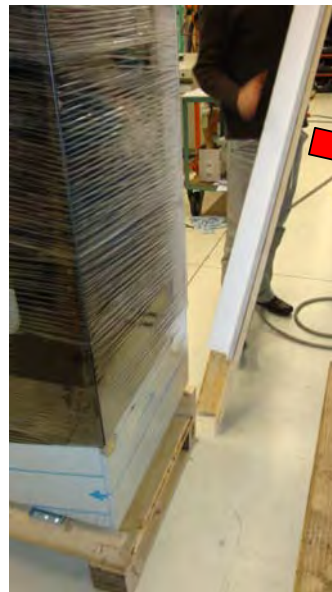
Remove topplate



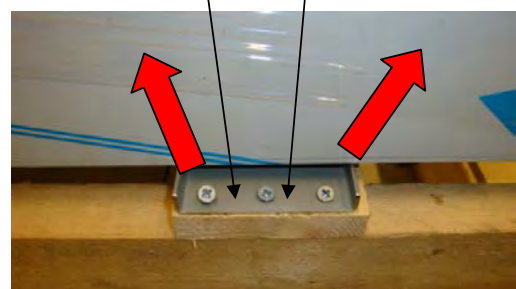
Remove protection top



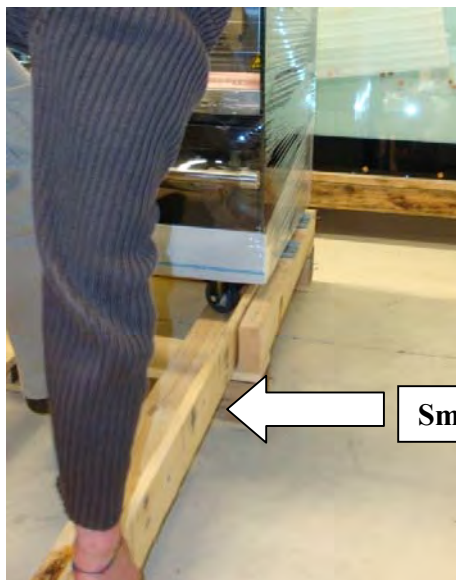
Remove vertical beams and protection on frontside



Remove vertical beams and protection on backside



**Remove outer screw 4x2
Leave middle screw in place**



Small side of beam

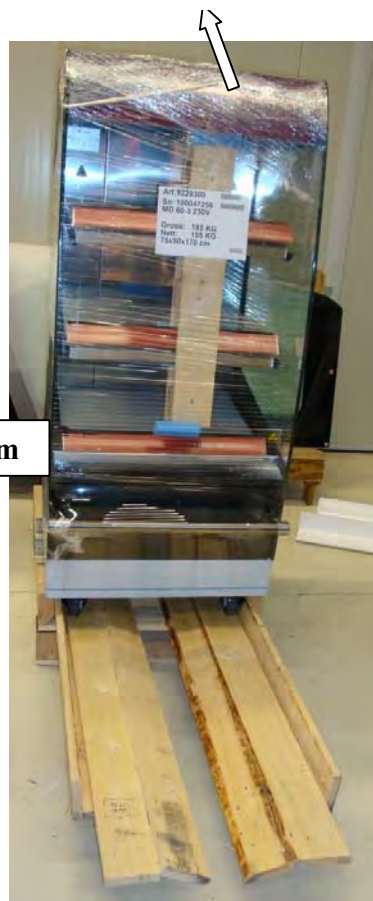
**Place vertical beam under cabinet
On both sides**



**Front view
1 beam left + 1 beam right**



Flatten 2 remaining beams



**Tilt cabinet slightly
Place under front wheels of cabinet**

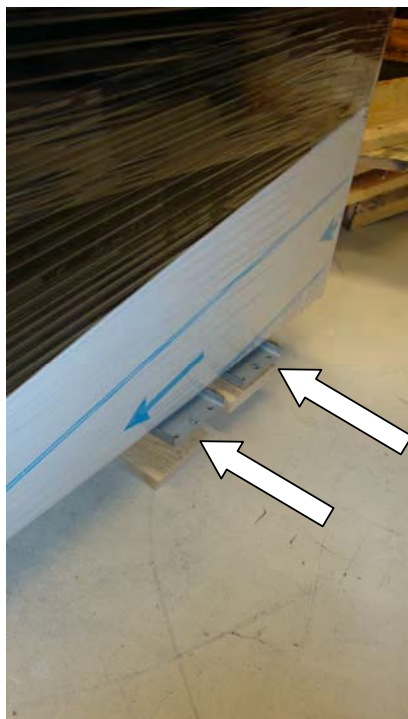


Carefully slide unit onto floor

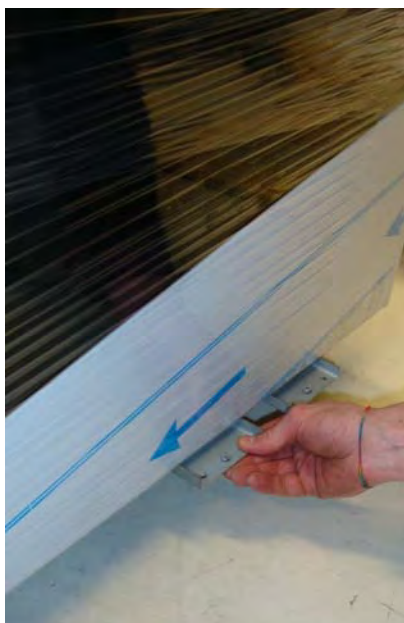


WARNING

Prevent the unit from rolling away
on the casters.



Remove remaining screws



Remove metal brackets 4x



Remove protection foil



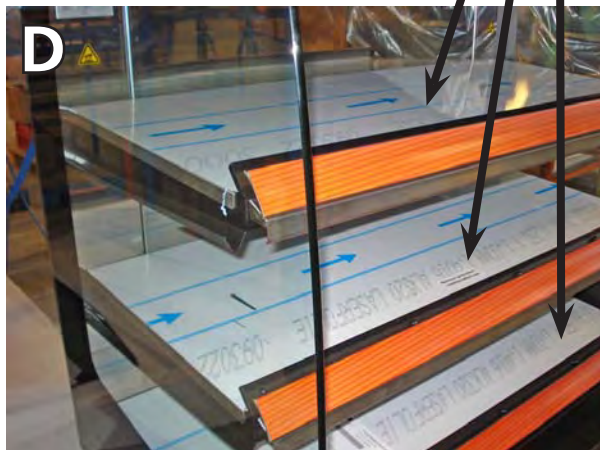
Remove 3x screw transport safety



Remove safety beam front
and shelves

Remove protection foil of the shelves

Remove protective cover of stainless steel shelves, bottom and skirts.



MOUNTING INSTRUCTIONS GLASS FRONT DOOR

Mounting instruction of the glass door MD 60 (Two doors for MD 100 and MD 120)

1. Open the drawer



2) Remove the two M5 nuts inside the cabinet.



3) Lift transparent plate.

4) Remove transparent plate.



5) Punch out two holes (on both sides for MD 100 and MD 120)



Before:



After:



6) Unpack supplied mounting bolts, washers and nuts.



7) Mount both Phillips-head screws in holes left by transparent plate.



7a) Phillips-head screw on top.



7b) Washer and nut on inner side cabinet.



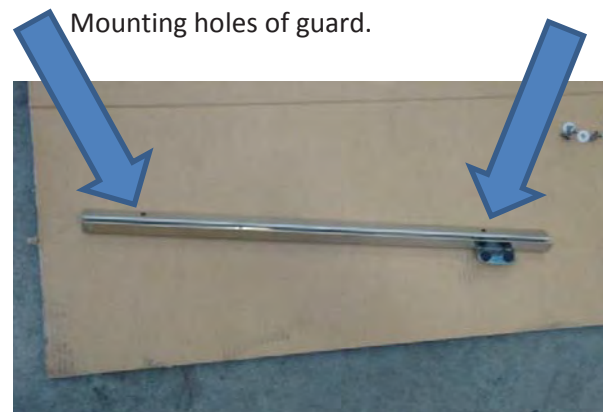
8) Unpack magnetic lock and mount as indicated. (See step 16 for MD 100 and MD 120)
(Use punched through holes, made in step 5.)



NOTE: magnetic strips must be facing the operator. (See step 16 for MD 100 and MD 120)
Washers must be mounted, and nuts must be fastened inside cabinet, similar as in step 7b.



9) Unpack door guard.



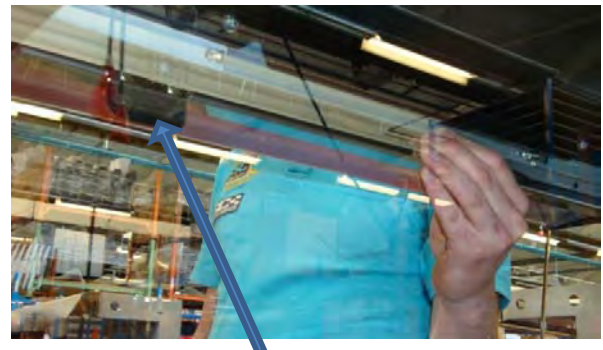
10) Apply door guard as indicated.

Make sure that guard is mounted to the **utmost left position** inside the cabinet!

10a)



10b)

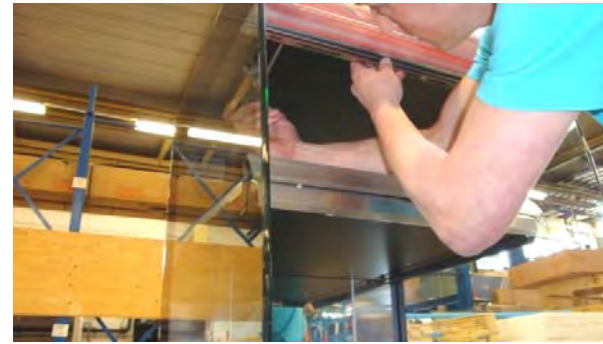


After placement, two rubber protection pads must face glass door.

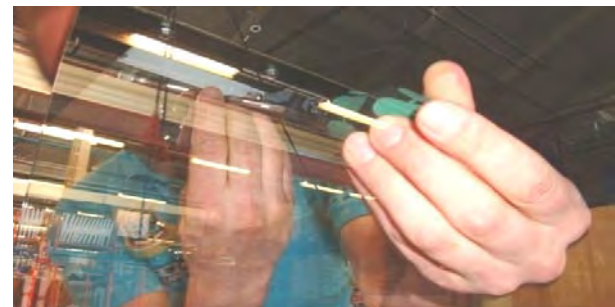
10c)



10d)



10e)

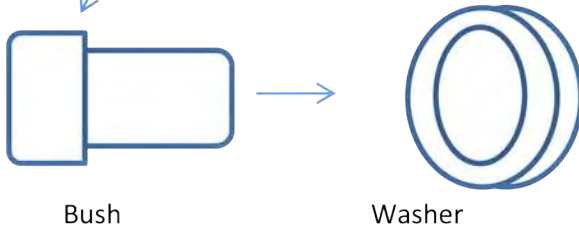
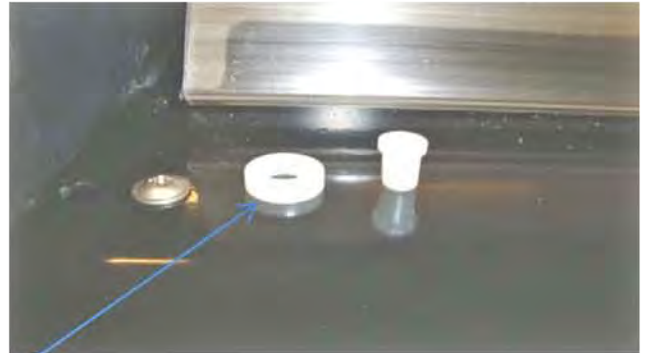
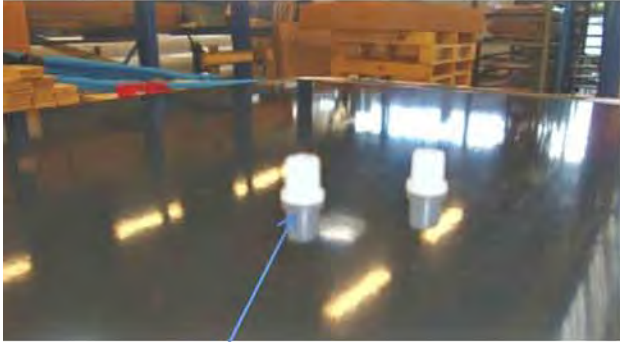


Screws must be inserted to aluminium profile.

Mounting of door:

11) Prepare upper and lower hinge:

11a) Apply white plastic washers and bushes as indicated.



NOTE: use washer for both hinges.

11b) Insert bush and 3 mm washer for top hinge.



11c) Insert bush with 3 mm washer in left most hole in bottom plate for lower hinge.



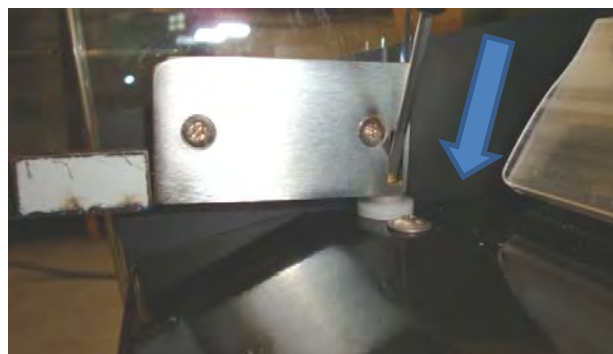
12) Insert glass door in bushes.

12a) Bottom hinge:

Insert lower protrusion of door, into bush.



Push down copper interior hinge with screwdriver.

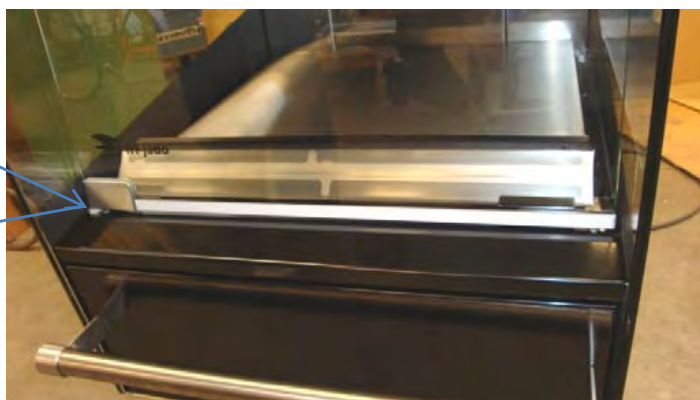
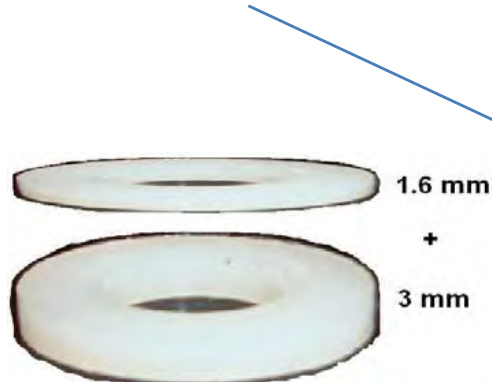


12b) Mount top hinge as described in step 12a.

13) Test hinges by opening and closing glass door.

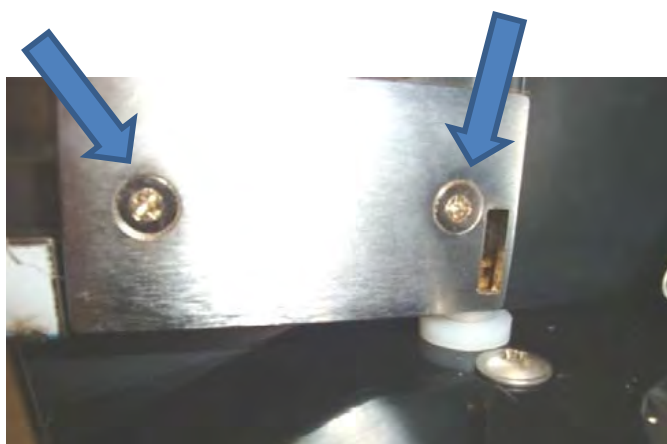


14) NOTE: if bottom side of door touches the metal plate underneath, the door must be lifted. To do this, a **1.6 mm** plastic washer must be added to the 3 mm washer under the lower hinge.



15) If needed, both hinges can be shifted in their consoles by loosening screws. (picture shows bottom hinge).

Fasten both screws after adjustment!



16) Models MD 100 and MD 120:

Magnetic lock must be placed in the centre, to close both doors.



MOUNTING INSTRUCTIONS TEMPERATURE INDICATOR

1) temperature indicator can be fixed in 2 ways:

- * by means of the magnets
- * by means of the magnets + screws

2) increased visibility

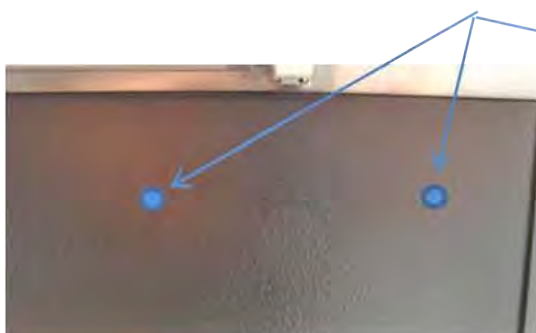


3) remove both knock-outs on the right hand side under shelf.

Possible to mount under all shelves, except bottom shelf.

Note: Be careful by pressing the knock out to the inside.

Heating element on the inside is placed 15mm from bottom side.



4) secure the temperature indicator with 2 screws. Max. length of screws is 15mm



MOUNTING INSTRUCTIONS CROSS-SELLING DRAWER

1) remove the knock-out



2)



3) place the cross-selling drawer over the drawer



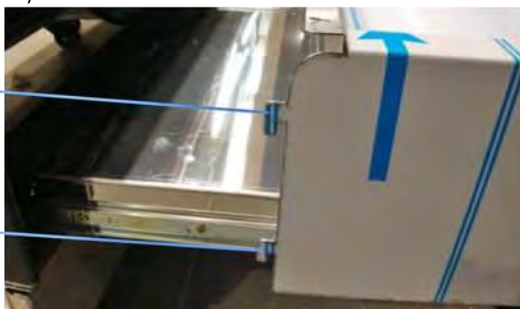
4)



5)



6)



7)



MOUNTING INSTRUCTIONS CROSS-SELLING TOP

1)

Warning !

**Disconnect the power before
changing the top**

2) remove the 2 caps



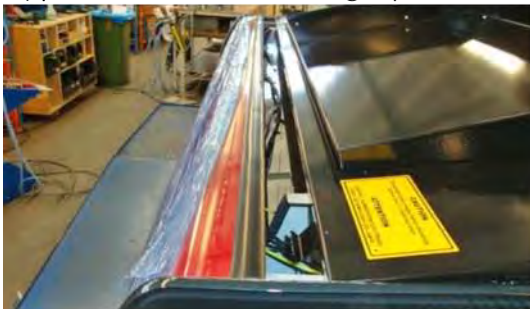
3) remove the screws



4) remove the top



5) place the new cross selling top



6) replace the screws



7) replace the new caps



MOUNTING INSTRUCTIONS LOWER SKIRTS

1) Open the drawer



2) Remove the screw on the left and right hand side, and remove the cover plate.



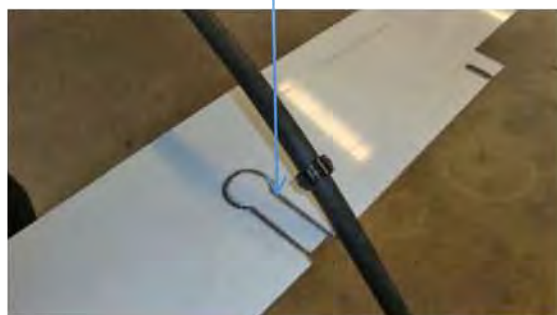
3) Remove the screws left and right on the back side, and remove the cover plate.



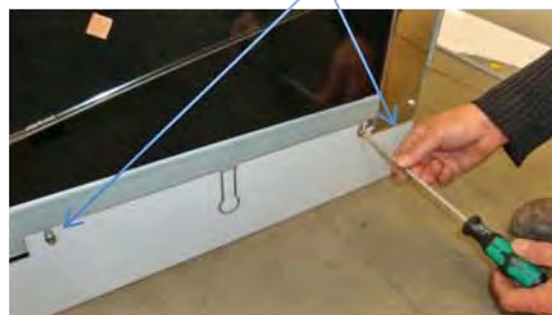
4) Left and right side: (front) remove the screw, and slide the cover plate backwards.



5) Determine where the power cord has to come out of the machine (left, right, back or front) and remove the knock-out of the corresponding lower skirt.



6) Mount 2 lower skirts on the left and right hand side with 2 screws.



7) Mount both cover plates on the left and right hand side with a screw.



8) Note: cover plate fits in slots.



9) Fasten the screw.



11) Fasten the screws.



13) Mount the cover plate on the front side and fasten the screws.



15) Mount the front lower skirt with 2 screws.



10) Mount back cover plate on the back side inside the slots. Note:



12) Mount the lower skirt on the back side and fasten the screws.



14) Remark:

Put the brakes onto the front swivel castors!

Place the unit on the right place before mounting the front lower skirt.

When the front lower skirt is mounted, you can not move the unit, because the front swivel castors will turn against the front metal skirts!

INSTALLATION

Immediately after unpacking the merchandiser, check for possible shipping damage. If the merchandiser is found to be damaged, save the packaging material and contact the carrier within 15 days of delivery. Prior to installation, test the electrical service to assure that it agrees with the specifications on the machine data plate located on the right side panel near the controls.

LOCATION

The merchandiser must be installed on a level surface. The installation location must allow adequate clearances for servicing and proper operation.

INSTALLATION

The connecting cable for the unit must be equipped with an approved plug connection. If use is to be made of a permanent connection, the connecting cable must be connected to a manual on/off switch that is installed near the unit in a clear visible manner.

GENERAL

The minimum temperature of the environment should be 20°C for the Multi Deck 60/100/120 hot. The maximum temperature of the environment should be 22°C and the relative humidity should be maximum 65%.

Note: *Strong air-currents due to draughty doors, air-conditioning outlets etc. will be detrimental to the proper operation.*

Note: *The minimum temperature of the hot products that are loaded inside the Multi Deck must be 85°C.*

Note: *The maximum load per shelf is 20 kg. The load must be equally distributed over the shelf.*

CASTERS

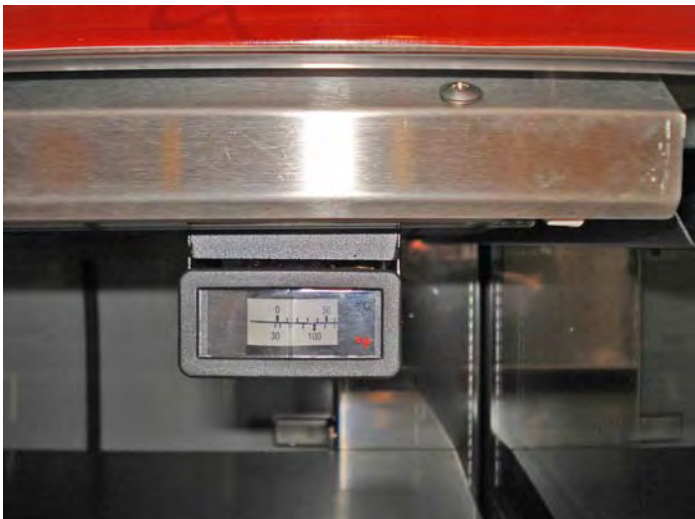
Each merchandiser is furnished on 4 casters of 80 mm. The Multi Deck 60 has 2 rigid casters on the back side and 2 locking swivel casters on the customer side. The Multi Deck 100/120 is furnished with 2 swivel casters on the back side and 2 locking swivel casters on the customer side.

THERMOMETER (9229800)

If a separate thermometer is ordered you can click this with the magnets under the 2 top shelves and also on the ceiling.

Also in the 2 top shelves, on the left and right hand side in the front, there are 2 knock-outs of Ø 2.5 mm. Tap these small holes out and fit the thermometer with two screws.

See also separate mounting instructions on page 19.



BEFORE FIRST USE

Operate the Multi Deck 60/100/120 at maximum temperature setting to insure the proper working of the unit.

INSTRUCTIONS FOR OPERATORS

After installation of the Multi Deck, the operator of the unit has to be instructed. The instruction has to cover the following subjects:

- How to switch the unit on.
- Working of the unit.
- Run through the user manual.
- How to react for information or service calls.

PLACING AND CONNECTING

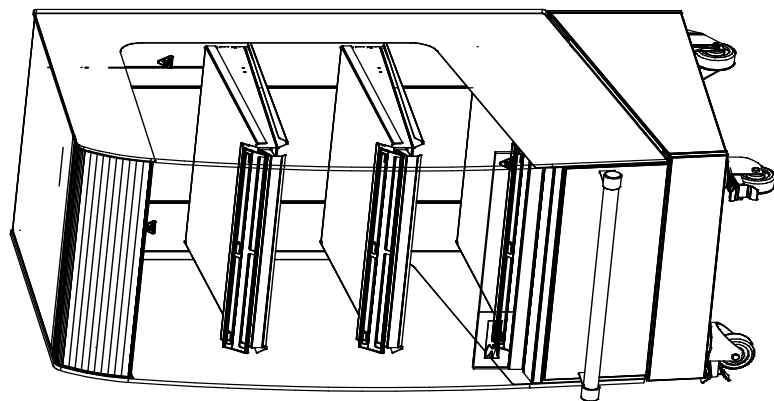
Description belonging to the labels on the drawings

Label	Description
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1	Power cable, length 2,5 meters *
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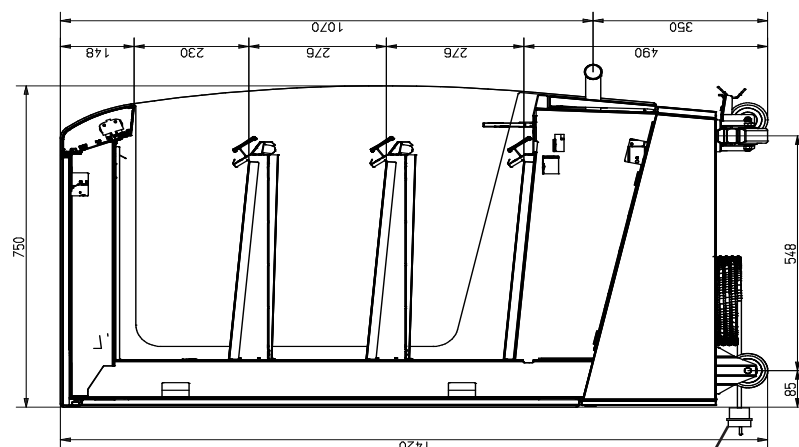
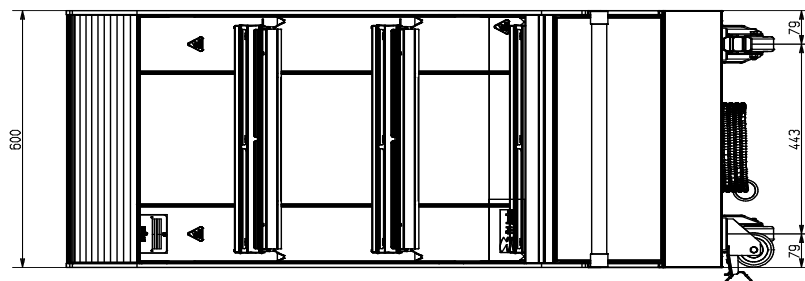
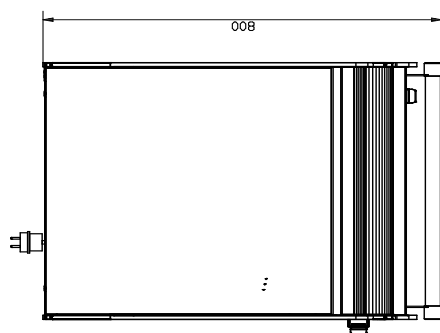
*) length is measured from the point where the cable comes out of the unit

MULTI DECK 60 - 3 LEVEL

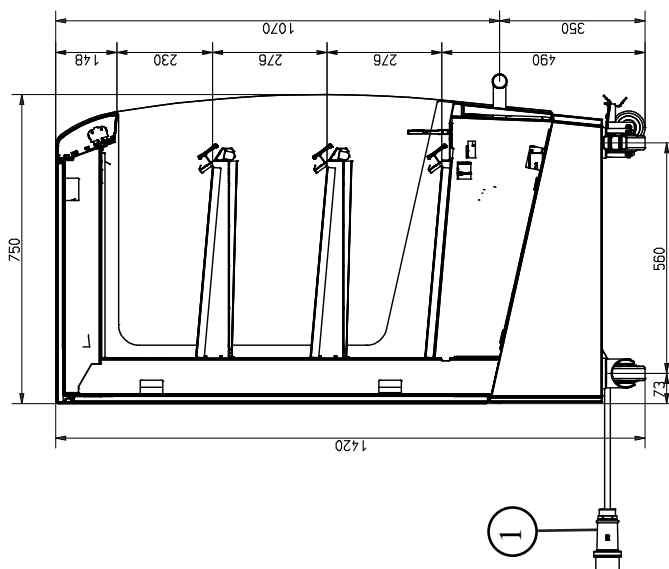
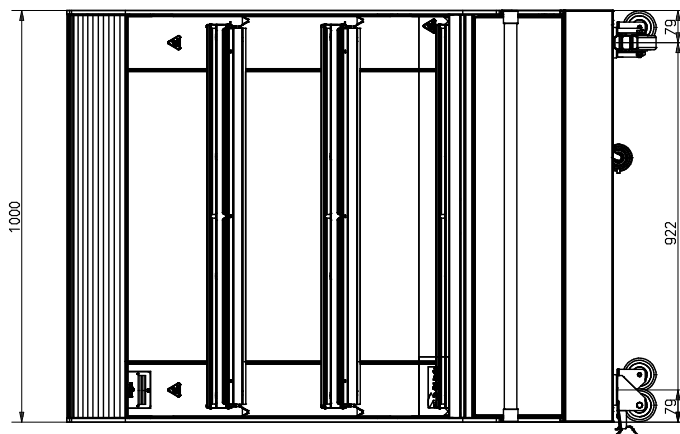
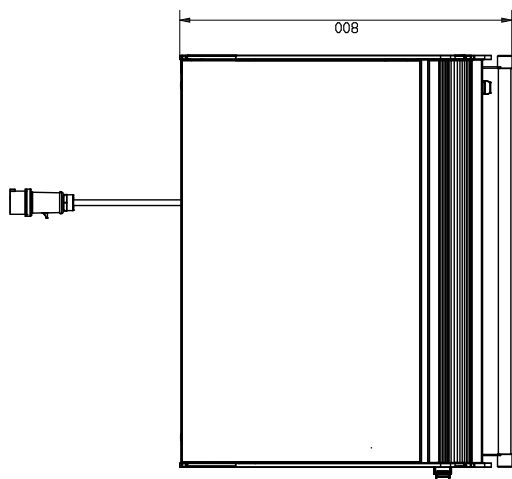
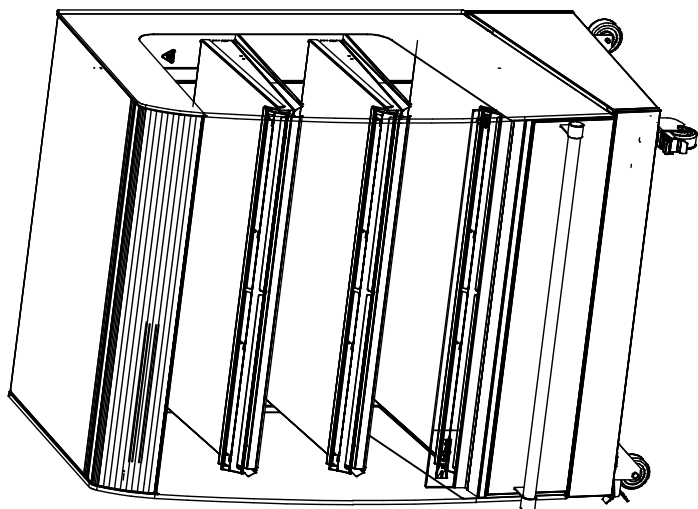


revision	revision date	description	revision
E	19.10.2009	Update accessoires	
D	19.03.2009	Nieuw frame en hoogte	
MD 60-3 230V			
for product: MD60 hot			
material: -			
		3 shelves	
		thickness: -	
		checked: -	
		revision: E	
		scale: 1:10	
		date: 09.02.2009	
		size: A3	
		drawn by: V. Dorst	
		drawing number: 9229300	

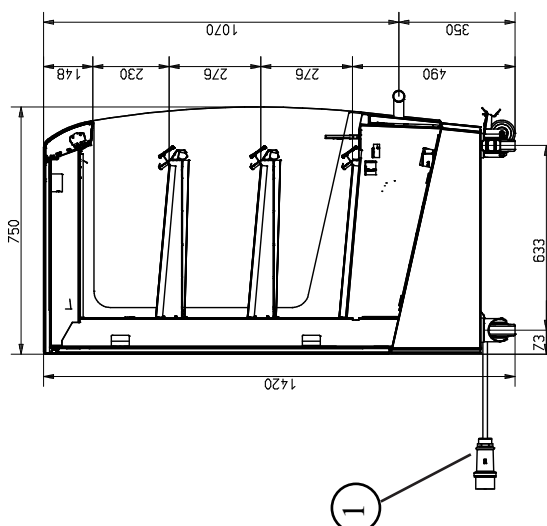
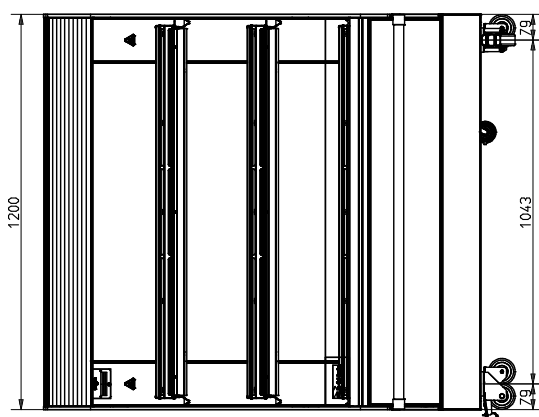
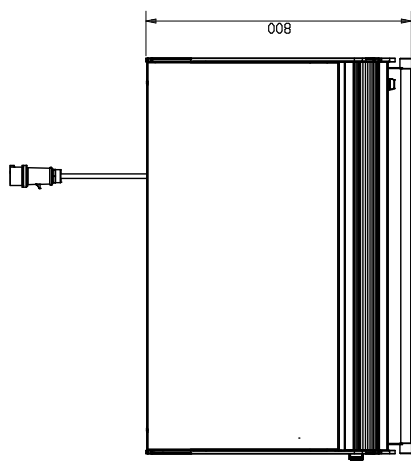
fri-jado Oude Kerksstraat, 2 4878 AA Etten-Leur Postbus 560 Tel.: +31 (0)78-5985400 Fax: +31 (0)78-5985444		tolerance class: A revision date: 19.10.2009 revision: E scale: 1:10 date: 09.02.2009 size: A3 drawn by: V. Dorst drawing number: 9229300
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MULTI DECK 100 - 3 LEVEL

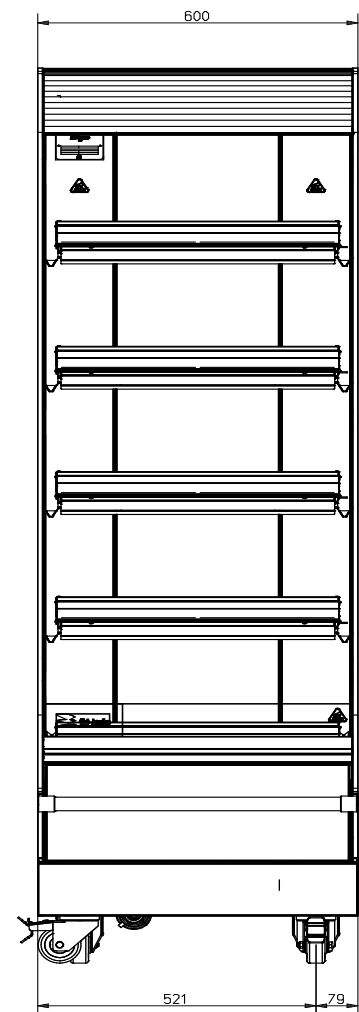
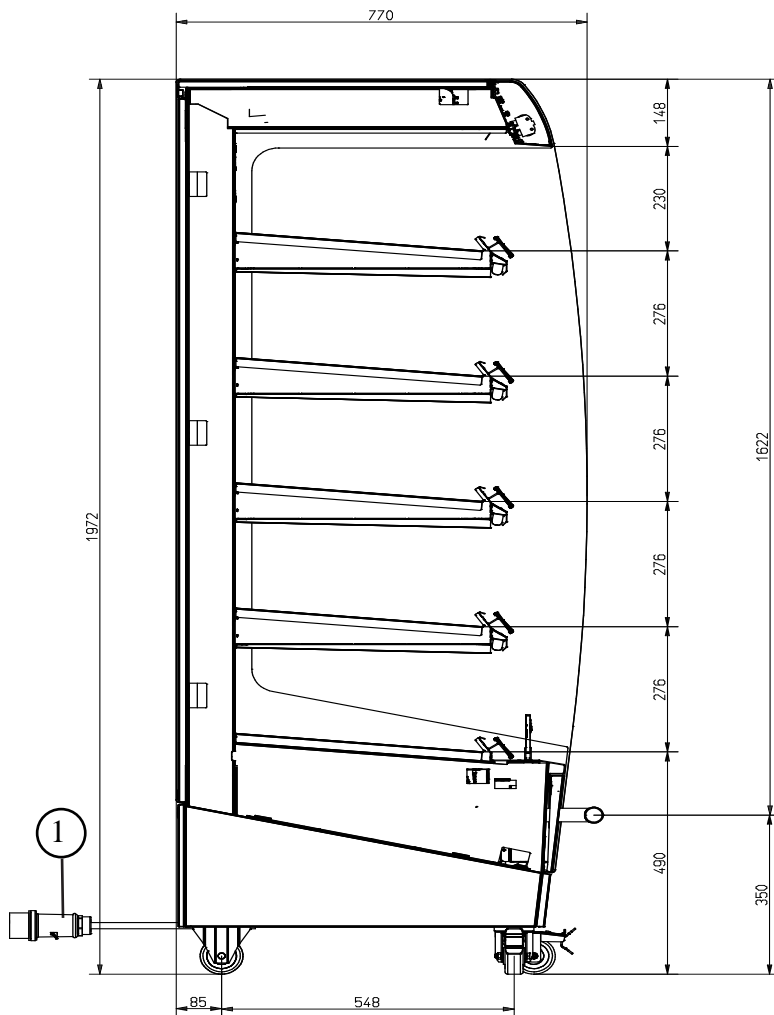
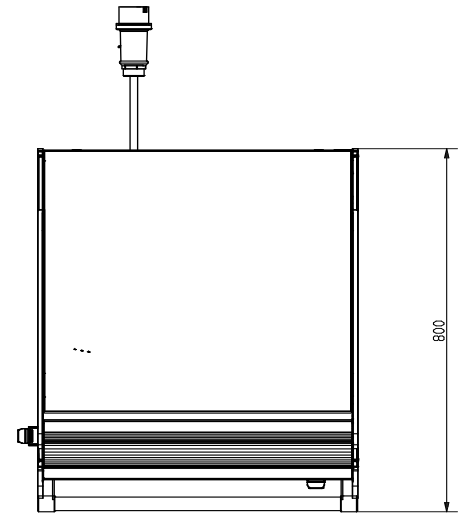
[illegible]

This diagram illustrates the exploded view of the four-bay bookcase, showing the assembly of the shelves and drawers. The main frame is shown with four vertical bays. The shelves are shown being inserted into the top of the bays, and the drawers are shown being inserted into the bottom of the bays. The diagram shows the alignment of the shelves and drawers with the frame, indicating the correct placement for assembly.

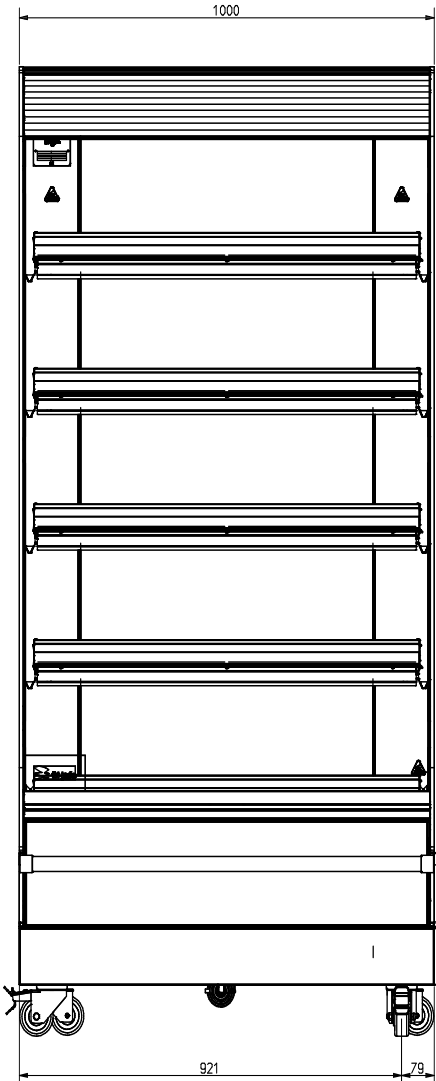
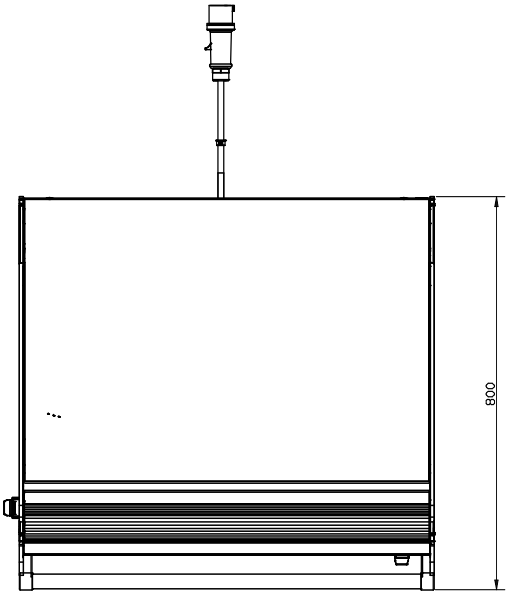
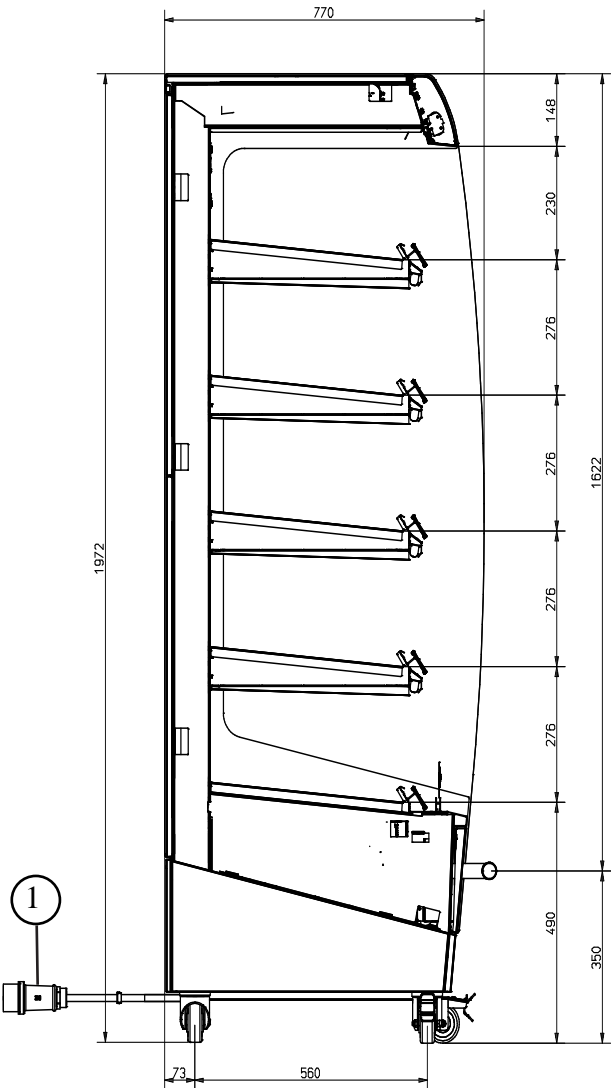


revision:	revision date:	description revision
A	09.06.2009	Nieuw model
description: MD 120-3 400V for product: MD120 hot 3 shelves material:		
thickness:		—
treatment:		—
checked:		revision:
scale:		revision date:
1:15		status:
size:		date:
A3		06.02.2009
drawing number:		drawn by:
92293320		V. Dorst

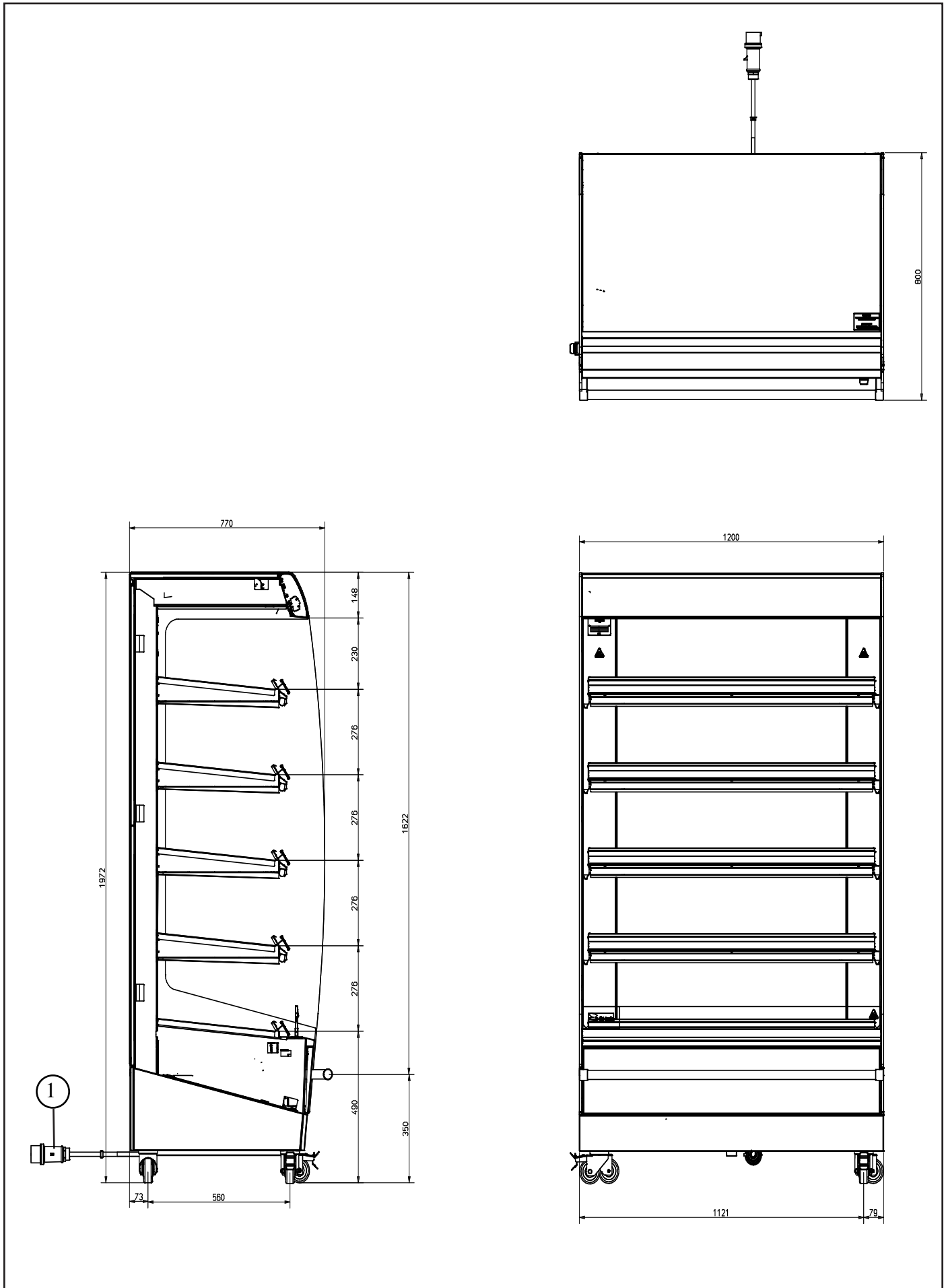
MULTI DECK 60 - 5 LEVEL



MULTI DECK 100 - 5 LEVEL



MULTI DECK 120 - 5 LEVEL



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